

PRODUCT DATA SHEET

PLATE BLOCKER / STABILIZER ELISA BLOCKING

1. Description

ELISA Blocking is a simultaneous microwell blocker and stabilizer buffer which works with both hydrophobic and hydrophilic ELISA plates. It preserves and protects biological activity of proteins and other biomolecules coated and dried on plate surface. Furthermore it prevents degradation, denaturation and leaching of proteins and other biomolecules.

The Biomat ELISA blocking is ready-to-use and efficiently blocks any free binding sites left on the microwell surface after coating; it's a BSA (bovine serum albumin) solution containing a preservative and a stabilizing component.

Code	Size	Physical state
300-1-100	100 ml	liquid
300-1-500	500 ml	liquid
300-1-1000	1000 ml	liquid

2. Features

Slightly yellow
Contains BSA (Bovine Serum Albumin), protease free
Free of harmful organic solvents
Contains 0.05% ProClin 300®
Preserves and protects biological activity of protein and other biomolecules
Stabilizes and preserves microwell surface after coating
Prevents degradation, denaturation and leaching of proteins and other biomolecules
Blocks any free binding sites
Ready-to-use
Negligible differences lot to lot

3. Specifications

Activity	None
Background	Abs. < 0.05 O.D. at 450 nm
pH	7.20 ± 0.2
Colour	Slightly yellow

4. Stability and storage

1 year at 2-8 °C	
Other information	All lots are tested
	Certificate of Quality is released for every lot

HOW TO USE

Immobilize or adsorb your protein or other biomolecules to the plate surface according to an optimized method and incubate as usual.

- a) At the end of the coating step incubation wash the plate according to in-house procedures
- b) Add Biomat ELISA Blocking to the wells (typically wells are blocked with 200-250 μ l of blocking solution)
- c) Incubate the plate for 2-3 hours at room temperature or overnight at + 4 °C
- d) Empty the plate by inversion or aspiration. DO NOT wash hereafter

Then, dry the plate as follows:

- o overnight at room temperature without covering the plate in a humidity controlled chamber (less than 15% humidity)
 - o in a sealed container at 30°-37°C (2-4 hours)
 - o in a vacuum oven at 37°C (2-4 hours)
- e) Immediately after drying, pack the stabilized microwell plate in an airtight and moisture proof container or bag with a desiccant

The ELISA plate is now blocked and long term stable.

Product Data Sheet subject to change without notice.

For detailed technical information visit www.biomat.it

